



ALLTRAP
ENGINEERING cc

**OIL SEPARATORS
INSTALLATION
&
MAINTENANCE
MANUAL**

MANUFACTURES OF GREASE & OIL/PETROL SEPARATORS AND RAIN WATER HARVESTING



Preventive Maintenance Checklist

For Period from _____ to _____ 20_____

Purchase Date: _____

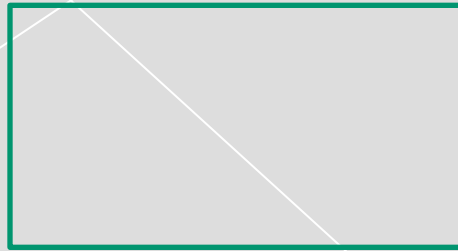
Installation done by:

Company/Plumber name: _____

Contact number: _____

Date installed: _____

Company Stamp/Plumber Signature: _____



- Please note installation of any Alltrap Engineering products must be done by a qualified plumber failure to do so will deem the product warranty null and void.
- Please insure that this document is up to date and presented to manufacturer when making any warranty claims failure to do so will deem the product warranty null and void.

Installation Check List

To be completed by plumber

1. Excavation

- a. Excavation for the installation of our separator setup must conform local excavation codes and standards.
- b. Topsoil removed during excavation should NOT be used as approved backfill material. The excavation must be free from any hard or sharp material that may cause damage to the OilSep and Grit tank unit. (Care shall be taken during installation that foreign matter is not introduced into the excavation or backfill)
- c. Excavation should extend at least 300mm around the perimeter of the tanks providing sufficient clearance for installation where required. If the bottom of the excavation provides an unsuitable foundation, additional excavation may be required. In areas with a high water table, continuous dewatering must be provided to ensure that the excavation is stable and free of water.

INSTALL AND LEVEL GRANULAR BASE

1. A +/- 150mm layer of pea / fine gravel (or approved equivalent backfill compacted) must be installed, leveled, and compacted at the bottom of the excavation to the proper elevation for the installation of the separator base.
2. Install and level the tank.

IMPORTANT: Equipment to lift the units must be of adequate size to lift and lower the tanks without dragging and dropping to ensure no damage. Make use of adequate lifting straps.

3. FILL THE SEPARATOR WITH WATER UP TO THE OUTLET PIPE

IMPORTANT: Any material left behind from installation (e.g. mortar, soil,...) must be removed prior to filling the tanks with fresh water. Fill the separator via the Grit Tank until the OilSep unit is full, and water leaves the separator through the outlet structure. Make sure that the spill control valve is secured in an open position

4. GRANULAR BACKFILL TO THE INLET AND OUTLET PIPES

Compacted Pea Gravel (or an approved equivalent backfill compacted to 98% of Standard Proctor Density in each layer) must be placed in uniform layers of 150mm (6") to not more than 200 mm (8") in depth up to the bedding for the inlet and outlet pipes.

Note: Backfill is not to contain topsoil

5. INLET, OUTLET AND VENT PIPES

Install standard pipe bedding for the inlet and outlet pipes per the sewer design. Attach inlet and outlet pipes to the OilSep and GritTank unit

6. FRAME AND COVER

Place the frame above the opening to match the top of grade elevation. Make sure the frame is not in direct contact with the top of the OilSep or Grit Tank. A gap of 1” to 2” is required to prevent the vertical load transfer from the frame to the tank. Pour concrete around the frame to secure it in place, size to be determined by Engineer or local code based on site use.

Date: _____

Signature: _____

Maintenance

Maintenance of the OilSep & Grit Tank unit is critical to ensure that separation efficiency is not compromised. The build-up of floatables and solids within the separator reduces the potential treatment volume and could, therefore, reduce the water retention time within the separator resulting in reduced separation efficiency. Furthermore, if contaminants are allowed to accumulate, the maximum storage capacities may be exceeded, resulting in the release of previously captured oil, grease, and solids

The frequency of maintenance depends on the application and the model of the OilSep. Some applications have very little oil, grease and/or solids in the waste stream and, therefore, reaching the maximum storage capacities will take a longer period of time. For other applications, the maximum storage capacities will be reached in a shorter period of time. Maintenance should be performed when the storage capacity reaches 50% or annually, whichever comes first.

Maintenance Procedure Checklist

1. Make sure all sand is removed from the sand trap when basket is noticeably full.
Remove basket and empty

Date: _____

Signature: _____

2. Manually inspect the levels of both the sludge and oil/grease in Grit Tank and Oilsep respectively.

Date: _____

Signature: _____

3. Grit tank may be cleaned by vacuum pump or by hand.

Date: _____

Signature: _____

4. It is important that the Oilsep be pumped out when the oil storage sump has reached full capacity.

Date: _____

Signature: _____

5. Ensure that all waste be disposed according to environmental law.

Date: _____

Signature: _____

Maintenance of the Enhanced Coalescing Media

The enhanced coalescing media cartridge has to be cleaned periodically. Since the maintenance intervals strongly depend on each particular application, check the condition of the permanent filter element weekly during the first 60 days of operation.

The filter media can be cleaned/rinsed with a garden hose. Recycle the wash-water to the separator. Do not expose the media to sunlight or UV-radiation!

Always fill the interceptor with clean water after cleaning the unit for optimum treatment efficiency.

Week One

Condition: _____

Signature: _____

Date: _____

Week Two

Condition: _____

Signature: _____

Date: _____

Week Three

Condition: _____

Signature: _____

Date: _____

Week Four

Condition: _____

Signature: _____

Date: _____

Week Five

Condition: _____

Signature: _____

Date: _____

Week Six

Condition: _____

Signature: _____

Date: _____

Week Seven

Condition: _____

Signature: _____

Date: _____

Week Eight

Condition: _____

Signature: _____

Date: _____

